

<http://www.pa.msu.edu/conf/nt99/>

# NANOTUBE-99

## International Workshop on the Science and Application of Nanotubes

East Lansing, Michigan, USA  
July 24-27, 1999

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Visit also the site of the upcoming



[NT'01 workshop in Potsdam, Germany, July 22-26, 2001.](#)

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This is the home page of the NANOTUBE-99 workshop, which has taken place at the East Lansing Marriott hotel at University Place, next to the campus of Michigan State University, from July 24-27, 1999.

### Organizers:

- [Prof. David Tomanek](#), Department of Physics and Astronomy, Michigan State University
- [Prof. Richard J. Enbody](#), Department of Computer Science, Michigan State University

### Purpose and Topics:

- **Informal part:**
  - A chance for leading scientists from Physics and Chemistry, Theory and Experiment, to exchange ideas, address controversies, present unpublished results and progress reports in the field of Nanotubes and Nanowires.
  - Open forum for an interdisciplinary dialog that may lead to new collaborations.
  - Similar in spirit to the [International/Informal Cluster Workshops](#): short and focussed.
  - Click [HERE](#) for more details regarding the format.
- **Formal part:**
  - Fundamental properties of Nanotubes.
  - State-of-the-art in the Nanotube field: theory, experiment, computer modeling.
  - Potential of Nanotubes in nanoscale electronic, mechanical, and chemical sensor devices.
  - Current technological challenges when approaching the nanometer-scale.
  - Technology transfer between research institutions and industry.
  - Click [HERE](#) for more details regarding the format.

### Welcome Message

Click [HERE](#) for the NT'99 Welcome Message.

## Press Release

Click [HERE](#) for the Press Release.

## Workshop Schedule

Click [HERE](#) to view the schedule.

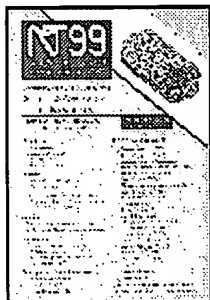
## Alphabetical List of Invited Speakers:

- [Phaedon Avouris](#) (*IBM*)
- [Jerry Bernholc](#) (*NCSU*)
- [Jean-Christophe Charlier](#) (*Univ. Louvain*)
- [Walt de Heer](#) (*Georgia Tech*)
- [Cees Dekker](#) (*TU Delft*)
- [Mildred Dresselhaus](#) (*M.I.T.*)
- [Gene Dresselhaus](#) (*M.I.T.*)
- [Peter Eklund](#) (*Kentucky*)
- [John E. Fischer](#) (*Pennsylvania*)
- [Laszlo Forro](#) (*EPFL*)
- [Jisoon Ihm](#) (*Seoul*)
- [Sumio Iijima](#) (*NEC*)
- [Philippe Lambin](#) (*Univ. Namur*)
- [Annick Loiseau](#) (*ONERA*)
- [Steven G. Louie](#) (*Berkeley*)
- [David E. Luzzi](#) (*University of Pennsylvania*)
- [Eugene Mele](#) (*Pennsylvania*)
- [Zhifeng Ren](#) (*Boston College*)
- [Susumu Saito](#) (*Tokyo*)
- [Gary G. Tibbetts](#) (*GM*)
- [Alex Zettl](#) (*Berkeley*)

## Format:

- [Informal Part](#) of the Workshop - July 24-25, 1999
- [Formal Part](#) of the Workshop - July 26-27, 1999
- [Pre-Workshop Discussion of Important Topics on the Web.](#)

## Conference Poster:



Download and print the [pdf formatted](#) (0.57 MB) or the printable [PostScript](#) (6.23 MB) version.  
Upon e-mail request to Mrs. Lorie Neuman at [neuman@pa.msu.edu](mailto:neuman@pa.msu.edu) you may also have the original poster sent to you

by mail (please indicate your mailing address).

## Location:

The workshop will take place at the East Lansing Marriott at University Place, a hotel with conference facilities.

## Accommodation:

- We prefer that most participants find accommodation at the East Lansing Marriott at University Place, where the workshop will take place. This hotel is in the "heart" of the college town of East Lansing. Only one block North from the (beautiful) MSU campus, it is also close to a variety of student stores and inexpensive ethnic food places. Our preferred espresso cafe (Caffe Venezia) next door to the hotel apparently went bankrupt the week of the conference; we will look for an alternate informal meeting place and supply of quality caffeine.

At present, the conference hotel is fully booked. You may still get a room in case of cancellations; the most convenient way to make or change a reservation is by faxing the filled registration form directly to the East Lansing Marriott. The Marriott registration form is available in pdf format, in PostScript format, and as regular ascii text file.

- To save you money, we can also try to match you up with a room-mate upon request.
- One of the less expensive hotels, still within reasonable distance (about 3-4 km) from the Marriott, is the Ramada Inn, 1100 Trowbridge Rd, East Lansing, MI 48823-5222, USA. The easiest way to secure your room is to make an online reservation through Ramada's web site. The Ramada registration form is also available as a regular ascii text file suitable for faxing. The phone number of Ramada Inn is +1-517-351-5500, the fax number is +1-517-351-5509. Please mention the code **NWN9** and the convention name NANOTUBE-99 when making your on-line or phone/fax reservation to obtain the reduced rate of \$53 (+tax) per single- or double-bed room. Also Ramada has limited capacity, so please hurry with your reservation.

Ramada Inn will provide free transportation from and to Lansing Capitol City Airport. To arrange for a pick-up upon arrival, please contact their registration desk from the Ramada courtesy phone in the luggage claim area, or call 351-5500.

- Should both hotels be full, you may want to try the Holiday Inn on 6820 South Cedar Street in Lansing, MI 48911. Holiday Inn South can be reached by phone at (517) 694-8123 or by fax at (517) 699-3753.
- If you do not stay at the Marriott, you have several options:
  - Ramada Inn and Marriott may provide transportation for a limited number of participants staying at Ramada Inn in the morning and the evening if their airport van is available.
  - You may share a taxi with other participants. The phone numbers of Spartan/Yellow Cab are 485-4400 and 482-1444. The cost is approximately \$6 from Ramada Inn and \$15 from Holiday Inn on South Cedar Avenue. The taxi company also operates 8- and 12-passenger vans. Please book your taxi ride early.
  - For only \$1.00, try your luck reaching the Marriott from the Ramada Inn using CATA (Capital Area Transportation Authority) bus number 20. The bus stop closest to Ramada is located on Harrison road, next to the Spartan Shopping Center. The bus stop closest to Marriott is at the MSU Union on Grand River Avenue (see also the map). Information about the schedule of bus number 20 can be found at the Spartan Shopping Center bus stop or inside the MSU Union building.

## Restaurants:

- [Map 1](#)
- [Map 2](#)
- [Map Index](#)

## Sponsorship:

Please [contact the organizers](#) for ways to co-sponsor this workshop.

## Travel Information:

1. [General Travel Information](#)
2. [Visa Information](#)

## General Information:

- Dress for this workshop is informal - no ties and suits.
- The outside temperature will likely be between 25-30 deg Celsius, with a high humidity. The workshop meeting room and the hotels are air-conditioned.

## Proceedings:

The NANOTUBE-99 Proceedings will be published by Kluwer Academic Publishing/ Plenum Press under the title "Science and Application of Nanotubes", as a volume in the ["Fundamental Materials Research Series"](#) (Series editor: M. F. Thorpe).

Besides contributions by the invited speakers, the Proceedings volume will contain selected contributions of either tutorial nature, or reflecting the state-of-the-art in the Nanotube field and its subfields. The proceedings volume is currently being processed by the Publisher.

Click [HERE](#) to view the Table of Contents.

Click [HERE](#) to review the instructions for the preparation of camera-ready contributions.

## Registration:

The registration fee is \$120.-

Please send a check, drawn on a U.S. bank and payable to Michigan State University (with the remark NT99 Registration), to NANOTUBE-99, c/o Lorie Neuman, Department of Physics and Astronomy, Michigan State University,  
East Lansing, MI 48824-1116, USA

## Conference Brochure

In case you missed NT'99, we still have a limited number of our 80-page NT'99 brochures with abstracts ready to be shipped to you for US\$10.-

If you are interested in a brochure, please send a check for US\$10.-, drawn on a U.S. bank and payable to Michigan State University (with the remark NT'99 Brochure), to NANOTUBE-99, c/o Lorie Neuman, Department of Physics and Astronomy, Michigan State University,  
East Lansing, MI 48824-1116, USA  
(Sorry, no credit card orders.)

## Media Coverage of NT'99:

- ["The State News" report of July 26, 1999.](#)
- ["Channel 10" 6 p.m. News Report on July 26, 1999.](#)

## Feedback from NT'99 Participants:

Click [HERE](#) to view the Feedback from NT'99 Participants.

## NT'99 Photo Gallery:

Click [HERE](#) to view the NT'99 Photo Gallery.

## On-Line Forms:

- [Registration Form](#)
- [Abstract Submission Form](#)
- NT99 Discussion Forum: [Post-A-Topic Form](#)

## On-Line Databases:

- [Workshop Schedule](#)
- [Contributions Listed by Session](#)
- [Alphabetical List of Participants](#)
- [Chronological List of Registrations \(Partial\)](#)
- [Chronological List of Presentation Titles](#)
- [Chronological List of Abstracts](#)
- [Chronological List of Posted Discussion Topics](#)

## [Links to Thematically Related Conferences:](#)

Click [HERE](#) for links to thematically related conferences.

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## [NT99 Virtual Workshop/Discussion Forum](#)

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Use AltaVista to [translate this document](#) into the language of your choice.

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[... back to the Nanotube Site](#)

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*David Tomanek at Michigan State University / [tomanek@pa.msu.edu](mailto:tomanek@pa.msu.edu)  
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